PATENT COOPERATION TREATY

Translation INTERNATIONAL SEARCHING AUTHORITY PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing 18-05-2004 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION P04734500 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2004/000607 23-01-2004 24-01-2003 International Patent Classification (IPC) or both national classification and IPC G01L 1/16 Applicant Matsushita Electric Industrial Co., Ltd. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Date of completion of this opinion Authorized officer Facsimile No. Telephone No.

From the

В	x No. 1	Basis of the report	
1.	Wit	regard to the language, this opinion has been established on the basis of:	_
		the international application in the language in which it was filed	
		the translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)).	3
2.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claim action, this opinion has been established on the basis of:	ed
	a.	type of material	
		a sequence listing	
		table(s) related to the sequence listing	
	b.	format of material	
		on paper .	
		in electronic form	
	c.	time of filing/furnishing	
		contained in the international application as filed	
		filed together with the international application in electronic form	
		furnished subsequently to this Authority for the purposes of search	
 4. 		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed of furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application a filed or does not go beyond the application as filed, as appropriate, were furnished. onal comments:	r S
	•	·	
		·	
			l
			1
			1
			l
			١
			l
			ı

	PC1/0P2004/00060/
Box No. IV Lack of unity of invention	
In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant paid additional fees	has, within the applicable time limit:
paid additional fees under protest and, where applicable, the protest fee	
paid additional fees under protest but the applicable protest fee was not paid not paid additional fees	
2. This Authority found that the requirement of unity of invention is not complied with additional fees.	h and chose not to invite the applicant to pa
3. This Authority considers that the requirement of unity of invention in accordance with Rules complied with	13.1, 13.2 and 13.3 is:
not complied with for the following reasons:	
The invention that is set forth i	
the claims that cite claim 1) pertains	
sensor which is sealed by subjecting on	
parts of the sensor housing member to a	heat
treatment.	
The inventions that are set forth	in claims 10
and 15 (and the claims that cite claims	10 and 15)
pertain to a pressure sensor wherein a	lubricating
agent is filled between the pressure se	
the sensor housing member.	
	•
	•
Consequently, this opinion has been established in respect of the following parts of the internati	onal application:
all parts	
the parts relating to claims Nos.	

International application No. PCT/JP2004/000607

L	citations and exp	ent under R lanations su	ule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; pporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-17	YES
		Claims		NO
	Inventive step (IS)	Claims		YES
		Claims	1-17	NO
	Industrial applicability (IA)	Claims	1-17	YES
		Claims		NO
2.	Citations and explanations			

- - Document 1: JP 2001-201409 A (Matsushita Electric Ind. Co., Ltd.), 27 July 2001, entire text, all drawings
 - Document 2: JP 2002-350250 A (Kabushiki Kaisha Auto Network Gijutsu Kenkyusho), 04 December 2002, paragraphs [0033] to [0034] and fig. 1
 - Document 3: JP 2001-99723 A (Matsushita Electric Ind. Co., Ltd.), 13 April 2001, paragraph [0040] and fig. 1
 - Document 4: JP 3049283 B2 (Kabushiki Kaisha Shosan Gosei Jushi Seisakusho), 05 June 2000, paragraphs [0030] to [0032] and fig. 3 to 4

The inventions that are set forth in claims 1 to 2, 9 and 12 to 14 do not involve an inventive step in the light of document 1 and document 2 cited in the international search report. It would be easy for a person skilled in the art to conceive of employing the feature wherein the end part of the cover member is sealed, which is disclosed in document 2, in the pressure sensing means (4) that is disclosed in document 1. In addition, it would also be easy for a person skilled in the art to conceive of using a heat treatment as the

International application No.
PCT/JP2004/000607

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

sealing method.

The invention that is set forth in claims 3 to 4 does not involve an inventive step in the light of document 1 and document 2. It would be easy for a person skilled in the art to conceive of employing recessed parts, protruding parts, cuneiform parts and/or pins in order to increase the mounting strength of the members.

The invention that is set forth in claim 5 does not involve an inventive step in the light of document 1 and document 2. It would be easy for a person skilled in the art to conceive of providing a cap-shaped member to the end part of a tubular member such as the pressure sensor that is disclosed in document 1.

The invention that is set forth in claims 6 to 8 does not involve an inventive step in the light of document 1 and document 2. Document 1 (paragraph [0022] and fig. 3) discloses a configuration for an elastic member that has a hollow section.

The inventions that are set forth in claims 10, 15 and 17 do not involve an inventive step in the light of document 3 and document 4. It would be easy for a person skilled in the art to conceive of employing the feature wherein a lubricating agent is coated upon the outer peripheral surface of a tube, which is disclosed in document 4, in relation to the inner peripheral surface of the flexible support member (14) in the pressure sensor that is disclosed in document 3.

The inventions that are set forth in claims 11 and 16 do not involve an inventive step in the light of document 3, document 4 and document 2. It would be easy for a person skilled in the art to conceive of employing the feature wherein the end part of the cover member is

Box No. V	citations and explanations supporting such statement													
sealed	, whi	ch i	İS	disc:	lose	d:	in	docume	nt	2,	in	the	pressure	
sensor	that	is	di	sclo	sed	in	do	cument	3.	•				
														ł
														i
														ĺ
														1
,														

Box No. VI	Certain documents cited						
1. Certain pub	olished documents (Rule 43bis.1 and	d 70.10)					
	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim (day/month/year)			
JI	2 2003-302294 A	24-10-2003	10-04-2002				
	[E, X]						
	•						
Non-written	disclosures (Rule 43bis.1 and 70.9)						
K	ind of non-written disclosure	Date of non-written dis (day/month/year,	closure referring t	Date of written disclosure referring to non-written disclosure (day/month/year)			